

ZDANCHUK, G.A. (Kuybyshev)

Two experiments on sulfur. Khim. v shkole. no.2:47-48 Kr-Ap '58.  
(Sulfur) (MIRA 11:3)

ZDANCHUK, G.A.(Kuybyshev)

Production of solid ammonia fertilizers. Khim. v shkole 12 no.1:64-  
65 Ja-F '57. (MIRA 10:3)  
(Ammonia)

ZDANCHUK, G.A. (g.Kybyshov)

Electric drill for glass. Khim.v shkole 11 no.2:56-58 Kr-Ap '56.  
(Drilling and boring machinery)(Glass cutting) (MIRA 9:7)

ZDANCHUK, O.A.

Electric glass cutter. Khim.v shkole 9 no.3:56 Ky-Je '54. (MLBA 7:6)  
(Glass)

~~XXXXXXXXXXXXXXXXXXXX~~  
ZDANCHUK, G.A.. (g. Kuybyshev)

Meeting devoted to chemistry. Khis. v shkol 10 no.6:54-59  
N-D '55. (MLRA 9:1)

(Chemistry--Study and teaching)

ZDANCHUK, G.A.

Students' summer research in chemistry. Khim. v shkole 17 no.2:  
78-82 Mr-Apr '62. (MIRA 15:3)

1. Pedagogicheskiy institut, g. Kuybyshev.  
(Chemistry--Study and teaching)

ZDANEK, PACAL

CZECHOSLOVAKIA/Cosmochemistry, Geochemistry, Hydrochemistry

D

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, No 7469

Author : Pacal Zdanek

Inst : Not Given

Title : A Tentative Measurement of Radioactivity of Heavy Fraction of Upper Vltava Sands

Orig Pub : Casop. mineral. a geol., 1957, 2, No 1, 41-45

Abstract : With the aid of the Geiger counter, alluvial sands of the Vltava river between Zhelnova and Czechsky Krumlovo were studied. The division of fractions was effectuated by method of magnetic separation. The mineralogical composition of the rocks (in %) is : plagioclase 49, quartz 20, biotite 18, amphibole 13, apatite 0.2, magnetite 0.1, titanite 0.04, zircon 0.02, orthite traces, monazite traces. A general increase in activity is noted from the coarse fraction (0.05-0.1 mm). In order of activity increase the minerals are arranged in a following manner (the PbO content in 10<sup>-4</sup>% in parentheses): quartz (5), plagioclase (15), biotite (32), magnetite (not det.), amphibole (12), apatite (5), titanite (36), zircon (40), optite (not det.), monazite (not det.).

Card : 1/2

ZDANEK, PACAL

D

POLAND/Cosmochemistry, Geochemistry, Hydrochemistry

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, No 7470

Author : Pacal Zdanek

Inst : Not Given

Title : Zirconium in Maritime Sands of Baltic Coast of GDR

Orig Pub : Przegl. geol. 1957, 5, No 5, 237

Abstract : It is noted that alluvial deposits are of great importance as sources of Zr production in commercial quantities. The extraction of heavy fractions, enriched by Zr, is carried out mechanically with the aid of an electromagnet, with Zr separating from magnetite, ilmenite, garnet and other minerals in the form of zirconic nonmagnetic fractions. The concentrates contain from 55 to 60%  $ZrO_2$ . In the process are obtained: magnetic concentrate with Ti, ilmenite with the residue of magnetite and a feeble electromagnetic fraction with the preponderance of garnet. Spectrum analysis of heavy fractions showed that the initial raw material is composed basically of Si, Al, Ca, Ti, Zr, Mn, Mg, Fe with admixtures of V, Zn and traces of Pb, Ag, Ba, Ce, Cr, Cu, W, Hf, V, Ga, Na, Sn,

Card : 1/2

2/2



ZDANEVICH, K. S., Candidate of Biol Sci (diss) -- "The innervation of the respiratory portion of the mucosa of the nose of swine". Kiev, 1959. 13 pp (Acad Sci Ukr SSR, Inst of Zool), 150 copies (KL, No 21, 1959, 114)

AUTHOR: Zdanevich, K.S. SOV/21-58-11-26/28

TITLE: The Morphology of the Receptors of the Respiratory Part of the Nasal Mucosa in Swine (Morfologiya retseptorov respiratornoy chasti slizistoy obolochki nosa sviney)

PERIODICAL: Dopolvidi Akademii nauk Ukrain's'koi RSR, 1958, Nr 11, pp 1263-1267 (USSR)

ABSTRACT: The present research, conducted by the method of silvering histological slides according to Bil'shovskiy and Gros and Kampos, established that the mucous membrane of the respiratory part of the nasal cavity in swine abounds in various receptor devices. The most polymorphous are the encapsulated nerve endings which can be divided into five principal types. These nerve endings are not distributed uniformly, but are concentrated at certain spots forming a reflexogenic zone. One such zone is located in the region of the upper nasal tract and is characterized by a fairly large number of superficially distributed nerve endings. A second zone is located in region of the medial nasal tract. In this reflexogenic zone the nerve endings are located at a greater depth and their number is considerably less. A part of these nerve endings may be called mechanoreceptors and the other part - angioreceptors.

Card 1/2

SOV/21-58-11-26/28

The Morphology of the Receptors of the Respiratory Part of the Nasal Mucosa  
in Swine

There are 3 photos and 13 Soviet references.

ASSOCIATION: Belotserkovnyy sel'skokhozyaystvennyy institut (Belaya Tser-  
kov' Agricultural Institute)

PRESENTED: By Member of the AS UkrSSR, V.G. Kas'yanenko

SUBMITTED: June 25, 1958

NOTE: Russian title and Russian names of individuals and institu-  
tions appearing in this article have been used in the trans-  
literation.

Card 2/2

L 40787-65 EWT(d)/EWT(m)/EWA(d)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(b)/  
EWP(l)/EWA(c) Pf-4 JD/HW  
ACCESSION NR: AP4047433 S/0182/64/000/010/0035/0040

AUTHOR: Raskin, Ya. M.; Zdanevich, V. A.

TITLE: Kinematic and force distribution pattern of a pipe section extrusion  
crank press

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 10, 1964, 35-40

14 distribution pattern kinematics hydraulic

27  
26  
B

Card 1/2

E 50787-65

ACCESSION NR: AP4047433

uniform force distribution pattern in the span pieces of all four columns. The authors warn against pressing with a cold die. They recommend the use of a wheel to be removed from the drive (see fig. 1a) Orig. art. has 7 figures and 1 table

ASSOCIATION: None

SUBMITTED: 00

ENCL: 01

SUB CODE: MM

NR REF SOV: 003

OTHER: 000

Card 2/3

ZDANIS, Yu. P.

112-2-3698D

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957,  
Nr 2, p. 171 (USSR)

AUTHOR: Zdanis, Yu. P.

TITLE: Research on a Differential Instrument Transformer  
(Issledovaniye differentsial'nogo izmeritel'nogo trans-  
formatora)

ABSTRACT: Bibliographic entry on the author's dissertation for  
the degree of Candidate of Technical Sciences, presented  
to the Kuybyshev Industrial Institute (Kuybyshevsk.  
industr. in-t), Kuybyshev, 1956.

ASSOCIATION: Kuybyshev Industrial Institute (Kuybyshevsk. industr.  
in-t)

Card 1/1

BASKUTIS, P., prof., red.; YANITSKIS, I. [Janickis, I.], doktor khim. nauk, prof., red.; VIDMANTAS, Yu. [Vidmantas, J.], prof., otv. red.; STANAYTIS, I. [Stanaitis, I.], starshiy prepodavatel', red.; BRAYNIN, S., kand. istor. nauk, dots., red.; INDRIUNAS, I., [Indriunas, I.], doktor tekhn. nauk, prof., red.; LASINSKAS, M., kand. tekhn. nauk, red.; NOVODVORSKIS, A., kand. tekhn. nauk, dots., red.; PESIS, R. [Pesys, R.], kand. tekhn. nauk, dots., red.; SADAUSKAS, T., dots., red.; SHESEL'GIS, K. [Seselgis, K.], kand. arkh. dots., red.; VASAUSKAS, S., kand. tekhn. nauk, dots., red.; ZDANIS, Yu. [Zdanis, J.], kand. tekhn. nauk, red.; GRIGALIUNAS, B. [Grigaliunas, B.], red.; EYTUTIS, V. [Eitutis, V.], red.; VIDMANTAS, Yu. [Vidmantas, J.], red.; NAUYOKAS, I. [Naujokas, I.], tekhn. red.

[Materials of the 5th Scientific Technical Conference of Students of Institutions of Higher Learning of the White Russian S.S.R., Latvian S.S.R., Lithuanian S.S.R. and Estonian S.S.R.] Trudy Nauchno-tekhnicheskoi konferentsii studentov vysshikh uchebnykh zavedenii Belorusskoi SSR, Latviiskoi SSR, Litovskoi SSR i Estonskoi SSR, 5th. Kaunas, Izd. Kaunasskogo politekh. in-ta, 1961. 205 p. (MIRA 14:12)

1. Nauchno-tekhnicheskaya konferentsiya studentov vysshikh uchebnykh zavedeniy Belorusskoy SSR, Latviyskoy SSR, Litovskoy SSR i Estonskoy SSR, 5th.

(Science—Congresses)

(Technology—Congresses)

L 8522-66

ACC NR: AT5027521

SOURCE CODE: UR/2690/65/008/000/0071/0077

AUTHOR: Zdankevich, V. L.; Kurmit, A. A.

ORG: Institute of Electronics and Computer Technology AN LatSSR, Riga (Institut elektroniki i vychislitel'noy tekhniki AN LatSSR)

TITLE: Arithmetic automaton device for electronic circuit testing

SOURCE: AN LatSSR. Institut elektroniki i vychislitel'noy tekhniki. Trudy, v. 8, 1965. Avtomatika i vychislitel'naya tekhnika, 71-77

TOPIC TAGS: automatic machine, automaton, electronic circuit, electronic test equipment

ABSTRACT: The arithmetic device under study is a part of a special-purpose setup for the testing of electronic circuit parameters. Since it is not subjected to high speed requirements, an accumulator-type adder may be used. This simplified the scheme of the arithmetic device, reduced the number of parts needed, and thus augmented its reliability. The adder is made of two triggering registers. The article presents the block diagram of the entire arithmetic device, and of the local control unit and time diagrams at various points of the circuitry. Orig. art. has: 7 formulas and 3 figures.

SUB CODE: EC, IE, DP / SUBM DATE: 00 / ORIG REF: 001

UDC: 681.142.642.2

Card 1/1



ZDANKO, A.

"We shall fight for angling ethics." p. 19 (GOSPODARKA RYBNA Vol. 5, No. 3, Mar. 1953 Warszawa, Poland)

"A hundred years ago there were plenty of sturgeons in the Vistula River" p. 20 (GOSPODARKA RYBNA Vol. 5, No. 3, Mar. 1953 Warszawa, Poland)

SO: Monthly list of East European Accessions, L.C., Vol. 3, No. 4, April 1954

ZDANKIEWICZ, K.

Evening courses of postgraduate studies at the Department of  
Chemistry of Szczecin Polytechnic. Przegl techn no.9:8 28 F '62.

SEDOV, K.A.; ZDANOV, G.L.

Evaluation of transplantable La leukemia in C57Bl mice as a model for chemotherapeutic investigations. Neoplasma (Bratisl.) 11 no.4:409-416 '64.

1. Iz laboratorii biologicheskikh ispytaniy Instituta khimii prirodnikh soedineniy AN SSSR, Moskva, SSSR.

ZDANOV, S.I. [Zhdanov, S.I.]

Polarography of nonbenzenoid aromatic and related substances.  
Pt. 9. Coll Cz Chem 29 no.4:960-972 Ap '64.

1. Institute of Electrochemistry, Academy of Sciences of  
the U.S.S.R., Moscow (for Zdanov). 2. Polarographic  
Institute, Czechoslovak Academy of Sciences, Prague (for  
Zuman).

CZECHOSLOVAKIA

<sup>A</sup>  
ZDANOV, S.I.; KISELEV, B.A.

Electrochemical Institute, Soviet Academy of Sciences (Institut  
Elektrokhimii, Akademiia Nauk SSSR), Moscow (for both)

Prague, Collection of Czechoslovak Chemical Communications, No 2,  
Feb 1966, pp 788-807

"Reduction mechanism of sulfur on mercury drop-electrode."

TUCHKOV, B.; ZDANOVICH, A.

Technical machine service centers abroad. Vnesh.torg. 43  
no.2:32-33 '63. (MIRA 16:2)

(Machinery industry)

ZDANOVICH, A.V. (Solnechnogorsk); KHUKHLIN, V.G. (Solnechnogorsk)

Welding of "porolon." Shvein. prom. no.6:28 N-D '63.  
(MIRA 17:2)

ZDANOVICH, G.A.

SOV/5206

PHASE I BOOK EXPLOITATION

Vinogradov, Yuriy Aleksandrovich, and Grigoriy Andreyevich Zdanovich  
V pomoshch' elektromonteru ulichnogo osveshcheniya (A Guide for the  
Street Lighting Electrician) [Chelyabinsk] Chelyabinskoye  
knizhnoye izd-vo, 1959. 176 p. 15,000 copies printed.

Ed.: Ye. B. Svet; Tech. Ed.: V. I. Kolbichev.

PURPOSE: This book is intended for electricians engaged in mounting  
and operating the installations and networks of street lighting  
systems.

COVERAGE: The book is based on recently issued manuals, instructions,  
technical conditions, and directives related to the operation of  
street lighting networks. It contains information required in  
this connection on electrical and illuminating engineering, and  
discusses the following in detail: standardization of illumina-  
tion, selection of illumination means and installations, con-  
struction and mounting of light sources and supports, methods

Card 1/5



VANYUSHIN, N.M., red.; ZDANKOVICH, M.A., red.; KUCHERSKIY, L.V., red.;  
LITVINOV, S.V., red.; MUKHIN, I.A., red.; ROZOV, B.V., red.;  
SOSHKIN, I.M., red.; PONOMAREVA, V.P., red.; NEUDAKINA, N.G.,  
tekhn.red.

[Kizel Coal Basin] Kizelovskii kamennougol'nyi bassein.  
Perm', Permako knizhnoe izd-vo, 1958. 249 p. (MIRA 12:3)  
(Kizel Basin--Coal mines and mining)

VANKSHIN, N.M., red.; ZDANKOVICH, N.A., red.

[Kizel coal basin] Kizelovskii kamennougol'nyi bassein. Permskoe  
knizhnoe izd-vo, 1958. 249 p. (MIRA 12:3)  
(Kizel Basin--Coal mines and mining)

ZDANOVICH, I.I.

Conference on the processing of unrefined sugar cane. Sakh.prom.  
no.4:78 Ap '60. (MIRA 13:8)  
(Sugar cane)

ZDANOVICH, S., mayor militsii

Voluntary traffic inspectors. Za bezop. dvizh. 5 no.3:3  
Mr '63. (MIRA 16:4)

(Moscow—Traffic safety)

ZDANOVICH, V.G., doktor tekhn. nauk, prof.; RAMM, N.S., kand. tekhn. nauk, st. nauchnyy sotr.; SHARIKOV, Yu.D., kand. tekhn. nauk, st. nauchnyy sotr.; YANUTSH, D.A., kand. tekhn. nauk, st. nauchnyy sotr.; CHERKASOV, I.A., kand. tekhn. nauk; ALEKSEYEV-SHEMYAKIN, V.P., nauchnyy sotr.; KOL'TSOV, V.V., nauchnyy sotr.; KOSHECHKIN, B.I., nauchnyy sotr.; SEMENCHENKO, I.V., nauchnyy sotr.; UGLEV, Yu.V., nauchnyy sotr.; KUZINA, A.M., starshiy laborant; KUDRITSKIY, D.M., kand. tekhn. nauk, dots., retsenzent; VEYNBERG, V.B., doktor tekhn. nauk, retsenzent; LOSHCHILOV, V.S., kand. geogr. nauk, retsenzent; REKHTZAMER, G.R., kand. tekhn. nauk, dots., retsenzent; KOZLYANINOV, M.V., kand. geogr. nauk, retsenzent; BUSHUYEV, A.V., inzh., retsenzert; ZAMARAYEVA, R.A., tekhn. red.

[Use of airborne methods to study the sea] Primenenie aerometodov dlia issledovaniia moria. Pod obshchei red. V.G. Zdanovicha. Moskva, Izd-vo Akad. nauk SSSR, 1963. 546 p. (MIRA 16:4)

1. Akademiya nauk SSSR. Laboratoriya aerometodov. 2. Laboratoriya aerometodov Akademii nauk SSSR (for Zdanovich, Ramm, Sharikov, Yanutsh, Cherkasov, Alekseyev-Shemyakin, Kol'tsov, Koshechkin, Semenchenko, Uglev, Kuzina).

(Aeronautics in oceanography) (Aerial photogrammetry)

ZDANOVICH, V.G.; GRISHIN, A.V.

Determination of coordinates of ground radiogeodetic stations by  
distant control points. Zap. IGI 37 no.1:93-101 '58.  
(MIRA 12:8)

(Geodesy)

ZDANOVICH, V.G.

Remarks on formula derivations for the solution of linear  
intersections. Zap. LGI 37 no.1:102-104 '58. (MIRA 12:8)  
(Geodesy)

KAZAKOVSKIY, Dmitriy Antonovich, prof., doktor tekhn.nauk; AVERSHIN,  
Stepan Gavrilovich, prof., doktor tekhn.nauk; BELOLIKOV,  
Antonin Nikolayevich, dotsent, kand.tekhn.nauk; GUSEV, Mikhail  
Iosifovich, dotsent, kand.tekhn.nauk; ZDANOVICH, Vyacheslav  
Grigor'yevich, prof., doktor tekhn.nauk; KROTOV, Gavril Alekseyevich,  
dotsent, kand.tekhn.nauk; LAVROV, Vladimir Nikolayevich, kand.tekhn.  
nauk; LEBEDEV, Kirill Mikhaylovich, assistent; PYATLIN, Mikhail  
Petrovich, dotsent, kand.tekhn.nauk; SPENIN, Nikolay Ivanovich,  
assistent; BUKRINSKIY, V.A., otv.red.; SLAVOROSOV, A.Kh., red.izd-va;  
ALADOVA, Ye.I., tekhn.red.; KOROVENKOVA, Z.A., tekhn.red.

[Mine surveying] Marksheiderskoe delo. Moskva, Ugletekhizdat,  
1959. 688 p. (MIRA 13:11)

(Mine surveying)



CHERKASOV, I.A., ZDANOVICH, V.G.

Use of aerial methods in oceanography. Meteor. i gidrol. no.9:52-  
54 S '60. (MIRA 13:8)

(Aerial photogrammetry) (Oceanography)

ZDANOVICH, V.G.

Coordinating scientific and industrial activities of institutions in the use of aerial methods; brief summary of the report. Trudy Lab.aeromet. 7:325-326 '59. (MIRA 13:1)

1. Laboratoriya aerometodov AN SSSR.  
(Aerial photogrammetry)

Zdanov, A. K.

"Augmentation de l'entropie pendant la formation des melanges azotropiques." by  
A. K. Zdanov. (p 483)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1941, Vol 11, No. 7

Zdanov, A. K.

"Sur la chaleur spécifique de certains liquides purs et des melanges azeotropiques."  
(p 471) by A. K. Zdanov.

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1941, Vol. 11, No. 7

1ST AND 2ND ORDERS										PROCESSING AND DISTRIBUTION INDEX										3RD AND 4TH ORDERS																			
548.73										1828										AS48																			
SA										Crystal structure of boron carbide B <sub>4</sub> C. Znanovskii, B. S., and Sevast'yanov, N. D. C.R. (Doklady) Acad. Sci. USSR, 32, 6, pp. 432-434, 1941.—Powders and single crystals of B <sub>4</sub> C were examined by X-ray methods, the crystals being obtained (a) from the gas phase, (b) from melt. In all cases only 1 crystal form was found. A full structure investigation by the Laue rotation and oscillation methods was carried out, [210] and [001] rotation photographs showing the edges of the unit cell to be $a = 3.60 \text{ \AA}$ ; $c = 12.1 \text{ \AA}$ . The 2-dimensional Patterson series constructed for the projection on the [001] plane gave maxima extended along the symmetry planes so that the atoms are probably placed in these planes. The structure of B <sub>4</sub> C was found by the trial-and-error method, calculations being made of all possible models of the structure, assuming the unit cell to contain 14, 15 or 16 atoms.										L. S. G.																			
ADDITIONAL LITERATURE CLASSIFICATION										ADDITIONAL LITERATURE CLASSIFICATION										ADDITIONAL LITERATURE CLASSIFICATION																			
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ZDANOV, V. M. (Moskva)

Principles of obtaining and maintaining of strains for  
living vaccines. Cesk. epidem. mikrob. imun. 5 no.2:  
57-62 Apr 56.

(VACCINES AND VACCINATION,  
living vaccines, obtaining & culture of bact.  
strains (Cz))

ZDANOV, Viktor Michailovich

Ecological principle in epidemiology. *Cesk. epidem. mikrob. immn.*  
8 no.6:356-360 H '59.

1. Ustav virologie Akademie lekarskych ved SSSR v Moskve.  
(EPIDEMIOLOGY)

ZDANOV, V. N.

"On the problem of neuro-infections." p. 125. Soviet Science: Medicine, 1952  
No 3.



EXCERPTA MEDICA Sec 4 Vol. 11/11 Fed. Micro. Nov 58

3191. EXPERIMENTAL MATERIALS AND OBSERVATIONS OF CHILDREN IMMUNIZED WITH AN ANTI-MEASLES ALLANTOIS-TISSUE VACCINE - Doswiadczalne materialy i obserwacje nad dziećmi uodpornianymi omocznio-watkowa szczepionka przeciw odrze - Zdanow W. M. and Fadeewa L. L. - MED. DOSW. MIKROBIOL. 1957, 9/4 (419-424) Tables 3

Some strains of measles virus were isolated on tissue culture and on hen's embryos in Iwanowski Laboratory in the USSR. The strains were weakened by means of several passages in pulmonary tissue culture of the human embryo. Then they were used to prepare a vaccine. The vaccine was administered intranasally by drops 3 times with 2 weekly intervals. The first trial was made in Moscow on 175 children, 5 months to 3 yr. old, who had not been ill with measles. There were only mild reactions in some children, predominantly in children vaccinated with strains having only 15 passages in tissue culture. In about 50% of children vaccinated the level of measles antibody rose distinctly. Vaccine was not dangerous for non-immunized children in the environment. On the basis of this experiment, 1,134 more children were vaccinated. There was a short fever reaction in 1.2% children, mostly on the 10th day after vaccination. Lukaszewicz-Dańcowa - Warsaw (L, 4, 7)

... with kok-saghyz than with *Rudbeckia acetosa*.  
The roots of the rubber-bearing rootstock, obtaining  
their assimilates from the rubberless *Rudbeckia*  
celson, accumulated latex, indicating that in kok-  
saghyz the latex is synthesized in the roots.

ZDANOVIC, E. S.

"Etude des alcaloides de Aenecio Othomao." by E. S. Zdanovic and G. P. Mensikov. (p 835)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1941 vol 11, no 10.

VINOGRADOV, Yuriy Aleksandrovich; ZDANOVICH, Grigoriy Andreyevich; SVET,  
Ye.B., red.; KOLBICHEV, V.I., tekhn.red.

[Electrician's handbook for street lighting] V pomoshch'  
elektromonteru ulichnogo osveshcheniia. Cheliabinsk, Che-  
liabinskoe knizhnoe izd-vo, 1959. 176 p. (MIRA 13:7)  
(Street lighting--Handbooks, manuals, etc.)

ZDANOVICH, G.F.

Control circuit for the independent operation of home signal lights  
from the switching center. Avtom., telem. i svyaz' 4 no. 2:31-32  
F '60. (MIRA 13:6)

1. Nachal'nik otдела signalizatsii, tsentralizatsii i blokirovki  
sluzhby signalizatsii i svyazi Severo-Kavkazskoy dorogi.  
(Railroads--Signaling)  
(Railroads--Switching)  
(Railroads--Electronic equipment)

ZDANOVICH, G.F.

ZDANOVICH G.F.

Improve circuits for all-relay interlocking. Avtom.slen. i  
sviaz' no.7:30-31 J1 '57. (MLRA 10:8)

1.Nachal'nik otdela sluzhby signalizatsii i svyazi Severo-  
Kavkazskoy dorogi.  
(Railroads--Signaling--Interlocking system)

ZDANOVICH, G.F.

Circuit for reservation of power supply for automatic block systems.  
Avtom. telem. i svyaz' 3 no, 11:42-43 N '59 (MIRA 13:3)

1. Nachal'nik otdela signalizatsii, tsentralizatsii i blokirovki  
sluzhby signalizatsii i svyazi Severo-Kavkazskoy dorogi.  
(Railroads--Signaling--Block system)

ZDANOVICH, G.F.

Circuit for disconnecting switches belonging to a set in the DVK-3A system. Avtom., telem. i svyaz' 2 no.10:22-23 0 '58. (MIRA 11:10)

1. Machal'nik otдела signalizatsii, tsentralizatsii i blokirovki sluzhby signalizatsii i svyazi Severo-Kavkazskoy dorogi.  
(Railroads--Switches)



ZDANOVICH, I. D.

USSR/ Chemistry - Spectral analysis

Card 1/1 Pub. 43 - 66/97

Authors : Britske, M. E.; Gerken, E. B.; Zdanovich, I. D.; Ivantsov, L. M.;  
Kafanova, T. A.; Malinina, V. I.; Mironova, E. A.; and Polyakova, V. V.  
Title : Spectrographic determination of admixtures in Pb, crude lead, water  
jacket slag and certain powders

Periodical : Izv. AN SSSR. Ser. fiz. 18/2, 283-284, Mar-Apr 1954

Abstract : Report is presented on a complex of methodical works conducted by the  
State Scientific Research Institute of Non-Ferrous Metals on the  
determination of admixtures in lead, crude lead, water jacket slag and  
certain powders by means of spectrographic methods. The results  
obtained in these experiments are tabulated. Tables.

Institution : State Scientific Research Institute of Non-Ferrous Metals

Submitted : .....

YARMOLINSKIY, M.B.; ZDANOVICH, I.L.; BRENNAN, M.A.; ALEKSEYENKO, F.P.

Use of granulated coal in the sugar refining industry. Sakh.  
prom. 35 no.12:21-26 D '61. (MIRA 15:1)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy  
promyshlennosti.

(Sugar manufacture)

(Coal)

ZDANOVICH, I.I.

ZHIDKOV, A.A., kandidat tekhnicheskikh nauk; VOLOKHVYANSKIY, V.M.,  
kandidat tekhnicheskikh nauk; ZDANOVICH, I.I., nauchnyy sotrudnik;  
UVAROVA, A.P., khimik-analitik; PATUSHINSKAYA, A.A., inzhener.

Lowering the losses of sugar in raffinade production. Trudy TSINS  
no.4:180-193 '56. (MIRA 10:5)  
(Sugar)

ZDANOVICH, I.L.

YARMOLINSKIY, M.B., kandidat tekhnicheskikh nauk; ZDANOVICH, I.L.,  
ispolnyayushchiy obyazannosti starshego nauchnogo sotrudnika;  
OZOL, M.Ya., khimik-analitik.

Use of corrugated cardboard boxes for packing pressed sugar and  
its transportation by sea. Trudy TSINS no.4:148-162 '56.  
(MLRA 10:5)

1. Rafinadnaya laboratoriya.  
(Boxes) (Sugar---Transportation)

LAKERNIK, M.M.; LIDOV, V.P.; ZDANOVICH, P.A.; SYCHEV, A.P.

Processing slags by the electrothermal method. *Tsvet. met.* 36  
no.7:19-24 J1 '63. (MIRA 16:8)  
(Nonferrous metals—Electrometallurgy) (Slag)

BOGOSLOVSKIY, Andrey Mikhaylovich; ZDANOVICH, Vasilii Leont'yevich;  
MATVEYEV, Yevganiy Nikolayevich; MUMZI, Georgiy Fedorovich;  
MSHANETSKIY, Boris Antonovich; NEBESHOV, Viktor Ivanovich;  
NOVIKOV, Georgiy Nikolayevich [deceased]; NUD'GA, Pavel  
Korneyevich; SAPRYKIN, Aleksey Petrovich; SACHKOVSKIY,  
Georgiy Semenovich; FRENK, M.TS., obshchiy red.; MELNYEV,  
A.S., red.; TIKHONOVA, Ye.A., tekhn.red.

[Textbook for engineers on marine internal combustion engines]  
Uchebnoe posobie dlia mekhanika III razriada po sudovym dviga-  
teliam vnutrennego sgoraniia. Izd.2., perer. Pod obshchei red.  
M.TS.Frenka. Moskva, Izd-vo "Morskoi transport," 1959. 711 p.  
(Marine engineering) (MIRA 12:9)

ZDANOVICH, V. G.

Zdanovich, V. G. "An evaluation of the precision of geodetic methods of point determination taking into account errors in the location of the starting points", Trudy Vsesoyuz. nauch.-issled. marksheyder. in-ta VNIIT, Vol. 15, 1948, p. 26-96.

SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

ZDANOVICH, V. G.

Kell', N. G. and Zdenovich, V. G. "The methodological principle for construction of mine surveying supporting networks, " Trudy Vsesoyuz. nauch.-issled. marksheyder. in-ta "VNIMI", symposium 16, 1948, p. 63-75

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No.3, 1949)



ZDANOVICH, V.G., professor, doktor tekhnicheskikh nauk; PAVLOV, F.F.  
otvetstvennyy redaktor; SLAVOROSOV, A.Kh, redaktor; NADINSKAYA, A.A,  
tekhnicheskii redaktor

[Higher geodesy] Vysshaya geodesiya. Moskva, Ugletekhizdat, 1954.  
278 p. (MIRA 8:3)  
(Geodesy)

EDANOVICH, V.G.; SHARIKOV, Yu.D.

Plotting a general profile of an ocean wave by means of aerial  
photographs. Trudy Lab. aeromet. 4:112-118 '55. (MIRA 9:2)  
(Waves) (Photography, Aerial)

Z DANOVICH, V.G.

ABRAMOV, S.K., kand.tekhn.nauk; AVERSHIN, S.G., prof., doktor tekhn.nauk;  
 AMMOSOV, I.I., doktor geol.-min.nauk; ANDRIYEVSKIY, V.D., inzh.;  
 ANTROPOV, A.N., inzh.; AFANAS'YEV, B.L., inzh.; BERGMAN, Ya.V.,  
 inzh.; BLOKHA, Ye.Ye., inzh.; BOGACHEVA, Ye.N., inzh.; BUKRINSKIY, V.A.,  
 kand.tekhn.nauk; VASIL'YEV, P.V., doktor geol.-min.nauk; VINOGRADOV,  
 B.G., inzh.; GOLUBEV, S.A., inzh.; GORDIYENKO, P.D., inzh.; GUSEV, N.A.,  
 kand.tekhn.nauk; DOROKHIN, I.V., kand.geol.-min.nauk; KAIMYKOV, G.S.,  
 inzh.; KASATOCHKIN, V.I., doktor khim.nauk; KOROLEV, I.V., inzh.;  
 KOSTLIVTSEV, A.A., inzh.; KRATKOVSKIY, L.F., inzh.; KRASHENINNIKOV, G.F.,  
 prof. doktor geol.-min.nauk; KRIKUNOV, L.A., inzh.; LEVIT, D.Ye., inzh.;  
 LISITSA, I.G., kand.tekhn.nauk; IUSHNIKOV, V.A., inzh.; MATVEYEV, A.K.,  
 dots., kand.geol.-min.nauk; MEPUKISHVILI, G.Ye., inzh.; MIRONOV, K.V.,  
 inzh.; MOLCHANOV, I.I., inzh.; NAUMOVA, S.N., starshiy nauchnyy sotrudnik;  
 NEKIPPELOV, V.Ye., inzh.; PAVLOV, F.F., doktor tekhn.nauk; PANYUKOV, P.N.,  
 doktor geol.-min.nauk; POPOV, V.S., inzh.; PYATLIN, M.P., kand.tekhn.  
 nauk; RASHKOVSKIY, Ya.Z., inzh.; ROMANOV, V.A., prof., doktor tekhn.  
 nauk; RYZHOV, P.A., prof., doktor tekhn.nauk; SELYATITSKIY, G.A., inzh.;  
 SPERANSKIY, M.A., inzh.; TEREENT'YEV, Ye.V., inzh.; TITOV, N.G., doktor  
 khim.nauk; GOKAREV, I.F., inzh.; TROYANSKIY, S.V., prof.; doktor geol.-  
 min.nauk; FEDOROV, B.D., dots., kand.tekhn.nauk; FEDOROV, V.S., inzh.  
 [deceased]; KHOMENTOVSKIY, A.S., prof., doktor geol.-min.nauk; TROYANOV-  
 SKIY, S.V., otvetstvennyy red.; TERPIGOREV, A.M., red.; KRIKUNOV, L.A.,  
 red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., red.; AVERSHIN, S.G., red.;  
 BURTSSEV, M.P., red.; VASIL'YEV, P.V., red.; MOLCHANOV, I.I., red.;  
 RYZHOV, P.A., red.; BALANDIN, V.V., inzh., red.; BLOKH, I.M., kand.  
 tekhn.nauk, red.; BUKRINSKIY, V.A., kand.tekhn.nauk, red.; VOLKOV, K.Yu.,  
 inzh., red.; VOROB'YEV, A.A., inzh., red.; ZVONAREV, K.A., prof. doktor  
 tekhn.nauk, red.

(Continued on next card)

ABRAMOV, S.K.-- (continued) Card 2.

ZDANOVICH, V.G., prof., doktor tekhn.nauk, red.; IVANOV, G.A., doktor  
geol.-min.nauk, red.; KARAVAYEV, N.M., red.; KOROTKOV, G.V., kand.geol.-  
min.nauk, red.; KOROTKOV, M.V., kand.tekhn.nauk, red.; MAKKAVEYEV, A.A.,  
doktor geol.-min.nauk, red.; OMEL'CHENKO, A.N., kand.tekhn.nauk, red.;  
SENDERZON, E.M., kand.geol.-min.nauk, red.; USHAKOV, I.N., dots., kand.  
tekhn.nauk, red.; YABLOKOV, V.S., kand.geol.-min.nauk, red.; KOROLEVA,  
T.I., red.izd-va; KACHALKINA, Z.I., red.izd-va; PROZOROVSKAYA, F.I.,  
tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Mining; an encyclopedia handbook] Gornoe delo; entsiklopedicheski  
apravochnik. Glav. red. A.M.Terpigorev. Moskva, Gos.nauchno-tekhn.  
izd-vo lit-ry po ugol'noi promyshl. Vol.2. [Geology of coal deposits  
and surveying] Geologiya ugol'nykh mestorozhdenii i marksheiderskoe  
delo. Redkolegiia toma S.V.Troianskiy, 1957. 646 p. (MIRA 11:5)

1. Chlen-korrespondent AN SSSR (for Karavayev)  
(Coal geology--Dictionaries)

SOV/35-59-8-6792

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959,  
Nr 8, p 100

AUTHOR: Zdanovich, V.G.

TITLE: Adjustment of Continuous Networks With Measured Side Lengths  
by the Joint Method of Conditional and Indirect Observations

PERIODICAL: Zap. Leningr. gorn. in-ta, 1958, Vol 37, Nr 1, pp 83 - 92

ABSTRACT: Methods of adjustment of linear networks are described. Compilation of equations and sequence of calculations in adjustment are explained on example of a network having 29 sides measured, 6 permanent points and 8 points to be determined. The network is divided into two sections, one of which is adjusted by the indirect measurement method, and the other by the conditional measurement method. In addition to 10 error equations for the first section and 8 condition equations for the second section, 5 connecting condition equations are composed. The author points out the sequence of calculational operations in the joint solution of all equations.

O.B.Sh.

Card 1/1

ZDANOVICH, V.G.

Transactions of the Laboratory (cont.) of Aeromethods, AS USSR <sup>80V/3815</sup>  
 V.7. Materials of 7th AU Interdept Conf. Aerial Survey (Dec 56), Moscow, 1959, 331pp.  
 Wildlife Management, and the Tasks for the Coming Years <sup>310</sup>  
 (Annotation)

Sokolova, N.A. [Central Scientific-Research Institute of Geodetic,  
 Photogrammetric, and Cartographic Engineering].  
 The Eighth International Photogrammetric Congress [Stockholm] 311

Deyneko, V.F. [Moskovskiy institut inzhenerov zemleustroystva -  
 Moscow Institute of Land Use Engineering].  
 Training of Engineers and Scientists in the Application of  
 Aerial Surveying to Agriculture 320

Kharchenko, A.S. [Kiyevskiy gosudarstvennyy universitet imeni  
 T.G. Shevchenko - Kiyev State University imeni T.G. Shevchenko].  
 The Problem of Expanding the Program of Teaching Aerial-Photography Methods  
 in Soviet Universities 323

Zdanovich, V.G. [Laboratory of Aerial-Surveying Methods].  
 The Problem of Coordinating Scientific and Applied Activities of  
 Different Administrations Involving the Employment of Aerial-  
 Photography Methods 325

Card 14/15

ZDANOVICH, V.G., doktor tekhn. nauk, prof.; otv. red.; KUDRITSKIY,  
D.M., red.izd-va; ZENDEL', M.Ye., tekhn. red.

[Problems of the interpretation and photogrammetric processing of aerial photographs] Voprosy deshifirovaniia i fotogrammetricheskoi obrabotki aerosnimkov. Moskva, Izd-vo AN SSSR, 1963. 136 p. (MIRA 17:1)

1. Akademiya nauk SSSR.Laboratoriya aerometodov.

S/050/60/000/009/007/008  
B012/B063

AUTHORS:

Cherkasov, I. A., Zdanovich, V. G.

TITLE:

Application of Aeromethods in Oceanography

PERIODICAL:

Meteorologiya i gidrologiya, 1960, No. 9, pp. 52 - 54

TEXT: This is a review of N. N. Lazarenko's article "On the Problem of the Application of Aeromethods in Oceanographic Investigations", which was published in Trudy Gosudarstvennogo okeanograficheskogo instituta (Transactions of the State Oceanographic Institute), 1959, No. 37. The author suggests to determine the position of the photographing airplane by direct intersection, by means of theodolites set up on the coast at points of known coordinates. N. N. Lazarenko's suggestion and the errors permitted by him are thoroughly described in this review. It is shown that the values given by N. N. Lazarenko, 60 km for average visibility of small objects and 80-100 km in the case of good visibility do not reflect the actual conditions in nature. It is noted that N. N. Lazarenko's suggestion of artificial illumination from the airplane during the night is impracticable due to the difficulties of

Card 1/2



Application of Aeromethods in Oceanography S/050/60/000/009/007/009  
B012/B063

photographing at this time. Even if there is good visibility, air-planes can be observed over a distance of only 50 km. It is impossible to observe planes by means of theodolites. It is noted that the sections of the article dealing with the accuracy of determination and the carrying out of work contain several mistakes as, e.g., the suggestion of determining the flying height by measuring the vertical angles with theodolites. The author's calculations of the time of observation (27 seconds) are unfounded. Furthermore, he suggests an impracticable method of determining elements of external orientation. A few other inadequate suggestions and poor formulations are mentioned. Finally, it is said that the main difficulty of aerial photographing of the sea-level and the sea-bottom arises from motion. N. N. Lazarenko's principal suggestions are all erroneous and impracticable. There are 7 Soviet references.

Card 2/2

ZDANOVICH, Vyacheslav Grigor'yevich; KELL', Nikolay Georgiyevich;  
ZVONAREV, Klimentiy Aleksandrovich; BELOLIKOV, Antonin Niko-  
layevich; GUSEV, Nikolay Andreyevich; BUGAYETS, Ye.A., otv.  
red.; SLAVOROSOV, A.Kh., red. izd-va; PROZOROVSKAYA, V.L.,  
tekhn. red.

[Advanced geodesy] Vysshaya geodeziya. By V.G.Zdanovich i dr.  
Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961.  
607 p. (MIRA 15:1)

(Geodesy)

ZDANOVICH, V.G., prof.; ALEKSEYEV-SHEMYAKIN, V.P., inzh.

Adjustment of radiogeodetic measurements carried out by the  
phase sounding method. Izv. vys.ucheb. zav.;geod. i aerof.  
no.2:13-24 '62. (MIRA 15:9)

1. Laboratoriya aerometodov AN SSSR.  
(Radar in surveying)

L 27117-66 EWT(1) GW

ACC NR: AP6014288

(11)

SOURCE CODE: UR/0213/66/006/002/0360/0366

AUTHOR: Zdanovich, V. G.; Sharikov, Yu. D.

39

ORG: Laboratory of Aerial methods, Leningrad (Laboratoriya aerometodov)

B

TITLE: Determination of ocean-wave heights based on single oblique aerial photographs

SOURCE: Okeanologiya, v. 6, no. 2, 1966, 360-366

TOPIC TAGS: oceanography, ocean property, aerial photograph, oblique photography

ABSTRACT: A method for determining wave parameters, based on single oblique photographs of the surface of the sea taken from an aircraft, has been suggested by Korshunov (Yu. S. Korshunov, 1963, Perspektivnaya s'yemka volneniya odnim aerofotos'yemochnym apparatom s samoleta, Tr. Morsk. gidrofiz. in-ta XXVIII Fizika moryk, Izd. AN USSR, Kiev). Errors resulting from this method were analyzed. It was shown that the error in determining wave heights may be considerable while that for wave lengths was rather small. However, the use of oblique photographs of waves for determining length does not make sense because wave length can be determined even more accurately from vertical aerial photographs. Orig. art. has: 3 figures, 20 formulas, and 1 table. [Based on authors' abstract.] [NT]

SUB CODE: 08, 14/ SUBM DATE: 21Dec64/ ORIG REF: 004/ OTH REF: 001

Card 1/1

UDC: 528.77:551.46.026

L 31136-66 EWT(1) GW

ACC NR: AT6012783

SOURCE CODE: UR/2561/65/000/021/0081/0088

30

AUTHOR: Zdanovich, V. G.; Sharikov, Yu. D.

B+1

ORG: none

TITLE: Some problems in determining the drift of ice from aerial  
photographs

SOURCE: Leningrad. Arkticheskiy i antarkkticheskiy nauchno-issledo-  
vatel'skiy institut. Problemy Arktiki i Antarktiki, no. 21, 1965,  
81-88

TOPIC TAGS: photogrammetry, aerial survey, oceanography, ice drift,  
photo interpretation

ABSTRACT: An improved method is presented for the determination of the  
drift of ice from aerial photographs. The procedures are primarily  
those developed by the authors while developing techniques for  
measuring ocean currents from airplanes. Since the surfaces of ice  
floes are assumed to be horizontal and flat, it is possible to  
simplify methods of preparing photomaps and photomosaics and to compile  
only segments of ice strips. Aerial photonegatives are used (instead  
of contact prints) in conjunction with transparent vellum on which the  
individual sections of drift ice and the control are plotted. The

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UDC: 551.326.022

L 31136-66

ACC NRic AT6012783

mosaic is carried out directly using configurations of points symmetrically located with reference to the center of the photos and approximately in the direction of the flight line (instead of relative to the photo base). Control requirements are for two main control points and one photo pass point to be located in the overlaps of each photo pair. The investigations showed that with long strips, it was better (more accurate) to use phototriangulation instead of the proposed method and that the use of trilateration in conjunction with the proposed method would permit lengthening a strip 1.5 times more than is possible with the double photography method. Orig. art. has: 12 formulas and 5 figures. [ER]

SUB CODE: 08/ SUBM DATE: 26Nov63/ ORIG REF: 007/ ATD PRESS: 4240

Card 2/2 CC

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AM5016876

EWT(1)/T/EED(b)-3 IJP(c) GW

BOOK EXPLOITATION

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62  
47  
B1

Akademiya Nauk SSSR. Laboratoriya aerometodov gosudarstvennogo geologicheskogo  
komiteta SSSR

44,55

Methods of studying ocean currents from an airplane (Metody izucheniya morskikh  
techeniy s samoleta) Moscow, Izd-vo "Nauka", 1964. 227 p. illus., biblio.,  
append. Errata slip inserted. 1100 copies printed. Managing editor: Doctor  
of Technical Sciences V. G. Zdanovich; Editor of the publishing house: Ye. A.  
Semenova; Technical editor: G. P. Arf'yeva; Proofreaders: A. A. Ginsburg, G. A.  
Miroshnichenko, A. Kh. Saltanayeva

TOPIC TAGS: photogrammetry, oceanography, aerial photography, ocean current

PURPOSE AND COVERAGE: This book was intended for specialists in the fields of  
photogrammetry and oceanography concerned with studying oceanic currents by means  
of aerial photography. The theory and the practice of basic aerial methods of  
measuring ocean currents are presented (method of single floats and the method of  
bottom indicators), and the problems of producing the associated aerial observa-  
tions are analysed. For each method, its theoretical foundations are outlined,  
the equipment required is described, the procedures involved in flight photography

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15

and development of the aerial photographs are analyzed, and the accuracy of the results is evaluated. The book is based on work carried out by the Laboratoriya Aerometodov of the GOK SSSR in recent years. The work was done by Laboratoriya personnel, including Professor V. G. Zdanovich, Senior Scientific Colleague Candidate of Technical Sciences Yu. D. Sharikov, and Junior Scientific Colleagues A. I. Babkov and O. A. Yurkovskiy. Candidate of Technical Sciences O. R. Rehtsamer, Docent at the Leningradskiy Gidrometeorologicheskoy Institut, also participated in the work.

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SUB CODE: ES

SUBMITTED: 25Nov64

NR REF SOV: 080

OTHER: 019

Card 2/2 dg



ZDANOVICH, V.G.; ZHARIKOV, Yu.D.

Study of ocean currents from an airplane. Okeanologia 4 no.5:  
923 '64 (MIRA 18:1)

BURLACHENKO, M.A., kand. med. nauk; SIGAL, L.D.; KAUSHANSKIY, M.Z.;  
PEL'TIN, K.K.; KRAVETS, I.G.; ZDANOVICH, O.A.; ERMAN, I.D. (Kishinev);  
MIL'SHTEYN, P.V. (Bel'tsy); ETLIS, S.S. (Bendery); MISHCHENKO, S.A.;  
ROYTIKH, R.M. (Tiraspol'); VASSERMAN, Z.S. (Soroki)

Role of artificial pneumothorex in the compound treatment of  
pulmonary tuberculosis. Probl. tub. no 7:24-29 '63. (MIRA 18:1)

1. Iz Moldavskogo instituta tuberkuleza (direktor - kand. med.  
nauk M.A. Burlachenko).

L 05084-67 EWI(1) GW  
ACC NR: AP6013289

(N)

SOURCE CODE: UR/0413/66/000/008/0085/0085

AUTHORS: Zdanovich, V. G.; Sharikov, Yu. D.

27  
B

ORG: none

TITLE: A method for determining the depth of shallow water basins. Class 42, No. 180815

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 85

TOPIC TAGS: waterway engineering, photo interpretation, photogrammetry ✓

ABSTRACT: This Author Certificate presents a method for determining the depth of shallow water basins. The method makes use of aerial photographs. To simplify the work, a system of two floating buoys thrown off the aeroplane and fixed by threads of dissimilar lengths to a common anchor is photographed. The value of the desired parameter and the varying position of the measured point are calculated from the distance between the buoys measured on the aerial photograph (see Fig. 1).

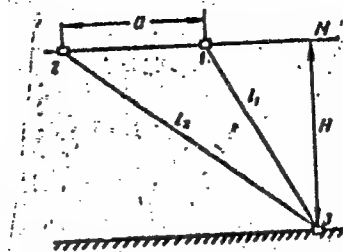
Card 1/2

UDC: 531.719.39:778.35

L 05084-67

ACC NR: AP6013289

Fig. 1. 1 and 2 - buoys;  
 $l_1$  and  $l_2$  - threads;  
 3 - anchor; H - depth to  
 be determined; a - distance  
 measured on the aerial  
 photograph; M - point of  
 measurement.



Orig. art. has: 1 figure.

SUB CODE: 13,08/SUBM DATE: 02Apr65

Card 2/2 fv

SHUSHERINA, N.P.; LEVINA, R.Ya.; LUR'YE, M.Yu.; ZDANOVICH, V.I.

Unsaturated  $\delta$ -lactones obtained from monocyanoethylated cyclic ketones. Vest. Mosk.un.10 no.10:123-125 0 '55. (MLRA 9:4)

1.Kafedra organicheskoy khimii.  
(Lactones) (Ketones)

66422

~~5(4)~~  
AUTHORS:

5.3200

Kursanov, D. N., Corresponding Member SOV/20-128-6-27/63  
AS USSR, Zdanovich, V. I., Parnes, Z. N.

TITLE:

Application of Gammett's Equation to the Reaction of Isotopic  
Exchange of Hydrogen

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 6, pp 1196 - 1197  
(USSR)

ABSTRACT:

The present paper investigates the influence of the substituents on the mobility of hydrogen atoms in the methyl group of the parasubstituted acetophenones. The method chosen for this purpose and mentioned in the title is the best one as the initial and end products are chemically identical. The reaction medium remains unchanged throughout the reaction. From the same point of view, the very small volume of the substituent (deuteron) is favorable. Consequently, the steric factors cannot be decisive for this reaction. Although the applicability of Gammett's equation (Ref 1) was investigated for many reactions (Ref 2), it had not yet been used for the purpose mentioned in the title. This gap has been closed by the authors. The said reaction was carried out in a large excess of absolute deuterio-ethanol. Sodium ethylate was used as a catalyst. The velocity

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66422

Application of Gammett's Equation to the Reaction of SOV/20-128-6-27/63  
Isotopic Exchange of Hydrogen

constants of the reaction of 1st order at 20° for the hydrogen exchange of acetophenone and its parasubstituted derivatives: nitro-, bromo-, dimethylamine-, and methoxy acetophenone, further of the p-acetyl-diphenyl and 4-nitro-4'-acetyl diphenyl (Table 1) were determined. Figure 1 shows a diagram on the dependence of the logarithm of the velocity constant of the hydrogen-exchange reaction of the substituted acetophenones upon the constant of the substituent  $\sigma$ -paraposition. Hence, it appears that this dependence is expressed by a straight line. Thus, it was confirmed that Gammett's equation maintains its validity for the said reaction in an alkaline medium. The value  $\rho$  found for the reaction is 1.43. The correlation coefficient  $r = 0.99$ . There are 1 figure, 1 table, and 4 references.

ASSOCIATION: Institut elementoorganicheskikh soedineniy Akademii nauk SSSR  
(Institute of Elemental-organic Compounds of the Academy of Sciences, USSR)

SUBMITTED: July 3, 1959

Card 2/2

81403

S/020/60/132/06/26/068  
B011/B126

5.3100

AUTHORS:

Parnes, Z. N., Zdanovich, V. I., Kursanov, D. N.,  
Corresponding Member AS USSR

TITLE:

The Transfer of the Action of Substituents by Different  
Conjugate Systems

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 6,  
pp. 1322 - 1324

TEXT: If one compares the reaction constants  $q$  in one and the same re-  
action under the same conditions for molecules which have different  
systems of conjugate bonds, the effectiveness of the transfer of the  
action of the substituents through these systems can be estimated. The  
authors studied this influence on the reaction rate of hydrogen exchange  
with para-substituted derivatives of benzalacetone (trans-) (II) and with  
the para-substituted 4'-acetyldiphenyl derivatives (III). For this reason,  
the rate constants of the hydrogen exchange reaction at 20°C were  
determined. These were calculated on the basis of the equation of the  
first order, for benzalacetone, p-dimethylaminobenzalacetone, p-methoxy-

Card 1/3



81403

S/020/60/132/06/26/068  
B011/B126

The Transfer of the Action of Substituents by  
Different Conjugate Systems

benzalacetone, p-nitrobenzalacetone, p-chlorobenzalacetone, p-bromobenzalacetone, (see Table 1), 4'-acetyldiphenyl, 4-nitro-4'-acetyldiphenyl, 4-bromo-4'-acetyldiphenyl, 4-methoxy-4'-acetyldiphenyl, and 4-chloro-4'-acetyldiphenyl (Table 1). In both cases, the reaction was carried out under the same conditions in absolute ethanol, which contained deuterium in the hydroxyl group, and with sodium ethylate as catalyst. It was established that the dependence of the logarithm of the rate constant of the hydrogen exchange reaction with the para-substituted derivatives of benzalacetone (Fig. 1) and of 4'-acetyldiphenyl (Fig. 1), on the constants of  $\sigma$ -para-substituents is linear. Thus the Gammett equation is observed here in both cases. The authors calculated the values of the constant  $\rho$  for all the systems analyzed here. They have proved to be equal: for the acetophenone system (I) = 1.6; for the benzalacetone system (II) = 0.8; for the 4'-acetyldiphenyl system (III) = 0.4. In the ketones examined, the substituent is separated from the reaction center by various systems of conjugate bonds, namely: a benzene ring, a double bond which is conjugated with the benzene ring, and finally a diphenyl system. The authors established that the conclusion may be drawn from the comparison of the relative  $\rho$  obtained for the above reaction, that (according to Ref. 3)

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S/020/60/132/06/26/068  
B011/B126

merely 0.50 of the electron effect of the substituent is transferred on the hydrogen exchange reaction by the double bond conjugated with the benzene ring. In comparison with the benzene ring, the diphenyl system transfers only 0.25 of this effect. This is valid on the assumption that the steric factors of the molecules of the para-substituted derivatives of acetophenone, benzalacetone, and 4'-acetyldiphenyl in this reaction are equal. The authors thank A. I. Shatenshteyn, Professor, Ya. M. Varshavskiy, Ye. A. Yakovleva, and O. P. Gey for help in devising the method used. There are 2 figures, 1 table, and 5 references: 2 Soviet and 1 US.

ASSOCIATION: Institut elementoorganicheskikh soedineniy Akademii nauk  
SSSR (Institute for Elemental-organic Compounds of the  
Academy of Sciences, USSR)

SUBMITTED: March 15, 1960

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ZDANOVICH, V.I.; PARNES, Z.N.; KURSANOV, D.N.

Transfer of the effect of substituents in the series of *cis*- and *trans*-cinnamic acids. Dokl. AN SSSR 165 no.3:566-568 N '65.  
(MIRA 18:11)

1. Institut elementoorganicheskikh soedineniy AN SSSR. 2. Chlen-korrespondent AN SSSR (for Kursanov).

PARMES, Z.N.; ZDANOVICH, V.I.; KUGUCHEVA, Ye.Ye.; BASOVA, G.I.; KURSANOV, D.N.

Ionic hydrogenation of the ethylene bond. Dokl. AN SSSR 166  
no.1:122-124 Ja '66. (MIRA 19:1)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.
2. Chlen-korrespondent AN SSSR (for Kursanov). Submitted  
June 19, 1965.

ZDANOVICH, V. I.

Cand Chem Sci - (diss) "Study of the transmission of the effect of substituents by various conjugated systems." Moscow, 1961. 7 pp; (Academy of Sciences Ukrainian SSR, Inst of Physical Chemistry imeni L. V. Pisarzhevskiy); 120 copies; price not given; (KL, 7-61 sup, 222)

S/137/62/000/007/070/072  
A160/A101

**AUTHORS:** Zemskov, G. V., Kogan, R. L., Smekh, Ye. V., Zdanovich, V. L.,  
Gushchin, L. K., Kostenko, A. V.

**TITLE:** The problem of hardening steel in an ultrasonic field

**PERIODICAL:** Referativnyy zhurnal, Metallurgiya, no. 7, 1962, 109, abstract 71740  
("Nauchn. zap. Odessk. politekhn. in-t", 1962, 37, 41 - 44)

**TEXT:** The investigation of the effect of an ultrasonic field on the process of hardening was carried out with Y 8 (U8) and X 12 Φ (Kh12Φ) steels. For comparison reasons, experiments were made by quenching these steels in water with and without the ultrasonic field. The U8 steel was hardened from 800 - 820°C, the intensity of the ultrasonic field was within 1 - 2 va/cm<sup>2</sup>, and the frequency of the ultrasonic oscillations - 23 kilocycles. The Kh12Φ steel was quenched from 1,130°C in oil or in water with and without the action of the ultrasonic field. The subsequent triple tempering was carried out at 510 - 530°C for 1 hour and the steel cooled in the open air. It was determined that the hardenability and the hardness of the U8 steel increase (Rc increases from 37 - 42 to 54 - 60 in a

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A160/A101

The problem of hardening steel in an ultrasonic field

layer with a depth of 1.5 - 2 mm) when quenching in an oil bath with the use of ultrasound. This applies for samples with a diameter of up to 20 mm. The use of ultrasonic oscillations during the quenching of the Kh12F steel from 1,130°C and the cooling in oil with a subsequent triple tempering increases the micro-hardness by 30 kg/mm<sup>2</sup>. There are 6 references.

A. Babayeva

[Abstracter's note: Complete translation]

Card 2/2

ZDANOVICH, V.M.

Phagocyte indexes in fractures of the extremities. Ortop. travm.  
protez., Moskva 19 no.6:57-61 N-D '58. (MIRA 12:1)

1. Iz mikrobiologicheskoy laboratorii (zav. - kand. biol. nauk. G. M.  
Belen'kaya\* Tsentral(nogo instituta travmatologii i ortopedii (dir. -  
deyatvitel'nyy chlen AMN SSSR prof. N.N. Priorov).

(ARM, fract.  
phagocyte index (Rus))

(LEG, fract.  
same)

(PHAGOCYTOSIS, in various dis.  
phagocyte index in arm & leg fract. (Rus))



ZDANOVICH, V. M., Candidate Med Sci (diss) -- "Phagocytic activity of the blood leucocytes in various traumas". Moscow, 1959. 16 pp (Min Health USSR, Central Inst for the Advanced Training of Physicians), 200 copies (KL, No 23, 1959, 171)

ZDANOVICH, V.M.

Studying the sensitivity to penicillin of faucial and nasal bacteria  
in hospital patients and medical personnel [with summary in English]  
Antibiotiki 3 no.4:111-113 J1-Ag '58 (MIRA 11:10)

1. Bakteriologicheskaya laboratoriya (zav. - kandidat biologicheskikh  
nauch G.M. Belen'kaya) Tsentral'nogo instituta travmatologii i ortopedii  
Ministerstva zdravookhraneniya SSSR.

(PENICILLIN)

(RESPIRATORY ORGANS--BACTERIOLOGY)

AUTHORS: Blokh, G. A., Zdanovich, V. S. SOV/79-28-10-5/60

TITLE: Isotope Exchange of the Sulphur of 2-Mercapto Benzothiazole  
With Elementary Sulphur in the Presence of Amines (Izotopnyy  
obmen sery 2-merkaptobenzotiazola i elementarnoy sery v  
prisutstvii aminov)

PERIODICAL: Zhurnal obshchey khimii, 1958, Vol 28, Nr 10,  
pp 2652 - 2656 (USSR)

ABSTRACT: In an earlier paper (Refs 1-3) G.A.Blokh and his  
collaborators proved that in the vulcanization of  
rubber a reaction of the accelerators with sulphur  
takes place. According to the method of the radioactive  
isotopes it was experimentally found that an intense  
isotope reaction of the sulphur atoms of the accelerators  
and the vulcanization products takes place. It turned  
out that the more active the accelerator, so the more  
intense this isotope reaction of the atoms is realized  
at the lower temperatures (Ref 4). As it is known the  
amines were first used in rubber industry and still  
play an important role as they increase the activity  
of the sulphur-containing organic accelerator (Ref 5).

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Isotope Exchange of the Sulphur of 2-Mercapto Benzo-  
thiazole With Elementary Sulphur in the Presence of Amines

SOV/79-28-10-5/60

It was of practical and theoretical interest to determine the influence of the amine on the velocity of the isotope reaction of the sulphur atoms of the widest spread accelerator, the 2-mercapto benzothiazole, and of the vulcanization medium, the elementary sulphur. It was to be expected that in a correlative dependence of the vulcanization velocity on that of the isotope reaction the presence of the amines would intensify the reaction of the sulphur atoms. Thus, the kinetics of the reaction of the sulphur of 2-mercapto benzothiazole and of elementary sulphur was investigated in the presence of the following amines: dipropyl amine, diamyl amine and triethyl amine. The results obtained met with the expectations: It was proved that these amines accelerate at 100, 120 and 140° the isotope reaction of the sulphur atoms of mercapto benzothiazole with elementary sulphur. This agrees with the practical use of the amines in vulcanization. There are 1 table and 11 references, 7 of which are Soviet.

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Isotope Exchange of the Sulphur of 2-Mercapto Benzo- SOV/79-28-10-5/60  
thiazole With Elementary Sulphur in the Presence of Amines

ASSOCIATION: Dnepropetrovskiy khimiko-tekhnologicheskii institut  
(Dnepropetrovsk Chemical and Technological Institute)

SUBMITTED: August 29, 1957

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L 5177-66 EWT(a)/EWT(1)/EWP(v)/EWP(k)/EWP(h)/EWP(1)/EWA(h) IJP(c)  
ACCESSION NR: AT 5021845 TG/GS/BC UR/0000/65/000/000/0167/0173

AUTHOR: Arkhangel'skiy, Yu. B.; Zdanovich, V. V.; Chugayev, G. P.

TITLE: Program logic methods for reliability improvement in digital control systems

SOURCE: An SSSR. Institut elektromekhanik. <sup>25</sup> Avtomatizirovannyy elektroprivod; sledyashchiye sistemy, upravleniye i preobrazovatel'nyye ustroystva (Automated electric drive; tracking systems, control and converter devices). Moscow, Izd-vo Nauka, 1965, 167-173

TOPIC TAGS: random process, computer control system, digital computer, telescope, computer application, computer program logic, automatic control system

ABSTRACT: Computer errors are essentially random in character, and the present authors discuss them from the point of view of the theory of random processes. For the control of information processed by computers, they propose program logic control based on the redundancy of the original and intermediate information. This differs from other cases encountered in various branches of technology where the computer control may be based on comparisons with appropriate standards. The redundancy leads to various control relationships connecting the calculated quantities which may then be

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ACCESSION NR: AT 5021845

verified at the end of each computational cycle. This computer self-control is applied to the specific case of telescope control. The authors give complete block diagram of the program logic and test control appropriate for this type of azimuthal rotation control. Orig. art. has: 11 formulas and 1 figure.

ASSOCIATION: None

SUBMITTED: 12Apr65

ENCL: 00

SUB CODE: DP, IE

NO REF SOV: 004

OTHER: 001

Card 2/2 *md*

ZDANOVICH, V.V., mladshiy nauchnyy sotrudnik

Significance of skin tests with penicillin. Vest.derm.i ven.  
no.9:42-44, '61. (MIRA 15:5)

1. Iz Ufimskogo kozhno-venerologicheskogo instituta (dir. -  
starshiy nauchnyy sotrudnik P.N. Shishkin, nauchnyy rukovoditel' -  
starshiy nauchnyy sotrudnik G.E. Shinskiy).  
(PENICILLIN)



STRAYZHIS, V. [Straižys, V.]; ZDANOVICHYUS, K. [Zdanovicius, K.]

Influence of the band-width effect on the parameters of the  
U,B,V system. Astron. zhur. 41 no.3:519-522 My-Je '64.  
(MIRA 17:6)

1. Institut fiziki i matematiki AN Litovskoy SSR i  
Vil'nyusskaya astronomicheskaya observatoriya.

~~ZDANOVICIUS, L.I.~~; LARYUKHIN, G.A., kand. tekhn. nauk, nauchn. red.;  
SHCHEGLOVA, I.B., red.; KOGAN, F.L., tekhn. red.

[Preparation of stock for paper manufacture] Podgotovka bu-  
mashnoi massy. Vilnius, Gos.kom-t Soveta Ministrov Litovskoi  
SSR po koordinatsii nauchno-issl. rabot, 1962. 48 p.  
(MIRA 16:8)

(Lithuania--Paper industry--Research)

ZDANOVITCH, E. S.

"Synthesis of N-Derivatives of Anabasine." Zdanovitch, E. S. and Menshikov, G. P. (p. 116)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1945, Volume 15, no. 1-2.

GUSEVA, L.A.; ZDANOVSKAYA, Ya.L.; KRIVOSHEINA, N.A.; KHRUSTALEVA, I.V.;  
CHEBOTAREV, I.T.; DREVLANSKAYA, N.I., red.; PROKOF'YEVA, L.N.,  
tekhn. red.

[Manual for laboratory work in the anatomy of farm animals] Po-  
sobie k prakticheskim zaniatiyam po anatomii sel'skokhoziaistven-  
nykh zhivotnykh. Moskva, Sel'khozizdat, 1962. 170 p.

(MIRA 15:7)

(Veterinary anatomy)